

CONFERENCE - CRYPTOGRAMIC

CRYPTOGAMIC SOCIETY

OF

SCOTLAND.

—◆—

· FORTIETH ·

Annual Conference

WEST KILBRIDE.

— — —

- 1921 -

— — —

EDINBURGH:

PRINTED BY J. SKINNER & Co., LTD., 27 THISTLE STREET.

Conf/1921 WES

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Cryptogamic Society of Scotland.

THE Fortieth Annual Conference of the Society was held at West Kilbride on the 28th September 1921 and two following days, and we had very comfortable and convenient headquarters at the Seamill Hydropathic. Mr. D. A. Boyd, whose home is in the vicinity, had kindly made all arrangements beforehand, and to his services we are much indebted for the success of the meeting. The manager of the Hydropathic was good enough to place an outside room in the grounds at our disposal, with tables for the laying out of specimens. Fortunately the weather was mild and fine during the whole time of our visit, and we had nothing to complain of except a thin but persistent fog, which hung over the sea and prevented us from even once getting a sight of the beautiful island of Arran, so distinguished a feature in the scenery of the Ayrshire coast.

Most of the members arrived on the evening of Tuesday, September 27th, and we were favoured by the presence among us of Miss E. F. Noel, F.L.S., a member of the British Mycological Society, whom we were glad to welcome. We mustered only fourteen members in all, but there are signs that the Society, after its six years of abeyance, is returning again to something of its old life and vigour. We are in need, however, of recruits, especially young men, active and enthusiastic, who are interested in the study of Mycology, either in itself or in its practical applications. It need not be said that women also of kindred tastes who desire to prosecute a knowledge of Fungi will be valued as new members.

Messrs. D. A. Boyd and R. B. Johnstone had set out on the tables for our inspection on the Tuesday evening a number of

Fungi gathered during the day, among which were *Tricholoma albobruenneum* Pers. and *T. virgatum* Fr.; *Pholiota flammans* Fr.; *Hygrophorus unguinosus* Fr., *Psathyrella disseminata* Pers. and *Polystictus abietinus* Pers. Dr. Paul showed some plants gathered by him in the vicinity of Benthall, Shropshire, which are not often found in Scotland, viz.:—*Lactarius controversus* Pers.; *Pleurotus ulmarius* Bull.; *Lenzites betulina* Fr. and *variegata* Fr.; *Polyporus rufescens* Fr.; *Fomes connatus* Fr. and *Trametes rubescens* Fr. The specimen of *Pleur. ulmarius* was part of a large densely caespitose clump of great beauty, deeply rooted in a decaying spot of a live elm, and strikingly crevassé both on pileus and stem as it sometimes is (Q.).

The first day, Wednesday, was spent in the woods and grounds around Eglinton Castle, access to which was granted through the kindness of the Earl of Eglinton and Winton. His head keeper, Mr. Perry, was of great service to us as guide over the extensive and beautiful estate. We were favoured with bright and warm weather. The ground seemed excellent for fungi and a fair number were seen, but it was remarked that many of the larger and commoner species were not found at all. Among the less common finds were *Hebeloma sacchariolens* Quel., *Naucoria cucumis* (Pers.) Fr., *Phallus caninus* Huds.; *Inocybe hystrix* Fr., *Trametes gibbosa* Pers., *Flammula carbonaria* Fr., *Typhula Erythropus* (Bolt.) Fr., and *Otidea concinna* (Pers.), var. *integra* Bres., first recorded for Britain from specimens obtained at Eglinton, and, it is believed, not again reported from any other part of the country.

On the next day, Thursday, we visited Montgreenan, by permission of Sir James Bell, Bart., C.B., and were accompanied in our ramble by Mr. Dow, land steward. The weather was again favourable, and we found *Eccilia atropuncta* (Pers.) Fr., *Poria mollusca* (Pers.) Fr., *Cordyceps ophioglossoides* (Ehrh.) Link., *Pleurotus porrigens* (Pers.) Fr., and *Geoglossum hirsutum* Pers.

The Annual Business Meeting of the Society was held in the evening, Mr. Rupert Smith, President, in the Chair. Apologies for absence were intimated from Messrs. A. W. Borthwick, D.Sc.,

Edinburgh, and J. R. Lee, Glasgow. The usual reports were submitted and office-bearers appointed for the ensuing year, viz. :—*President and Hon. Secretary*, Very Rev. Dr. Paul; *Vice-President*, Mr. D. A. Boyd; *Hon. Treasurer*, Mr. R. B. Johnstone, 134 Cambridge Drive, Glasgow; *Councillors*, Revs. R. Barr and J. Taylor; Dr. Borthwick; Messrs. Baxter, Lee, R. Smith and R. Winkler; *Auditor*, Mr. W. Williamson.

The excursion of the third day, Friday, was to the woods and grounds at Blair, by permission of the proprietor, Col. F. G. Blair, C.B., C.M.G. The scenery was very charming, and the autumnal tints of the leaves gave an added loveliness to the view. Here were found, among other things, *Hebeloma sinapizans* (Paul.) Fr. and *Lactarius fuliginosus* Fr. The fine gardens were visited, containing a wealth of autumn flowers in great beauty.

With this excursion the Foray proper came to an end, but several members who remained over Saturday motored to Largs and visited the lower part of Skelmorlie Glen, finding specimens of *Tremellodon gelatinosum* (Scop.) Pers., *Clavaria amethystina* (Batt.), Fr.; *Crepidotus calolepis* Fr., and *Nyctalis asterophora* Fr.

A large number of microscopic fungi were found in the several excursions, some of them being of great interest and rarity. Their names will be found in their proper places in the subjoined lists.

Before breaking up, the Society passed cordial votes of thanks to the proprietors of the different estates visited, to the Director of the Seamill Hydropathic for the use of the room for the exhibition of specimens, and to Messrs. Smith and Winkler, whose motor-cars had been of great assistance and benefit to the members.

Subjoined is a complete list of fungi gathered. Dr. Paul and Mr. R. B. Johnstone are responsible for the *Basidiomycetes*, and Mr. D. A. Boyd for the remainder, as also for the "Additional Records of Scottish Fungi, 1921, 1922."

LIST OF FUNGI, 1921.



LOCALITIES :

- | | | |
|-----------------|----------------|-------------------|
| 1. EGLINTON. | 3. BLAIR. | 5. DUNDONALD. |
| 2. MONTGREENAN. | 4. SKELMORLIE. | 6. WEST KILBRIDE. |

Amanita—

- | | |
|-----------------------|--------------------------------|
| mappa (Batsch) Fr. 4. | rubescens (Pers.) Fr. 1, 3, 4. |
| muscaria (L.) Fr. 4. | |

Amanitopsis—

- | | |
|------------------------------|-------------------------------|
| vaginata (Bull.) Roze, 1, 3. | fulva (Schæff.) W.G.Sm. 2, 3. |
|------------------------------|-------------------------------|

Lepiota—

- | | |
|----------------------------|------------------------------|
| clypeolaria (Bull.) Fr. 3. | carcharias (Pers.) Fr. 2, 3. |
| cristata (A. & S.) Fr. 4. | amianthina (Scop.) Fr. 1, 3. |

Armillaria—

- | |
|-----------------------------|
| mellea (Fl. Dan.) Fr. 2, 3. |
|-----------------------------|

Tricholoma—

- | | |
|------------------------------------|---------------------------|
| resplendens Fr. 2, 4. | imbricatum Fr. 1. |
| flavo-brunneum Fr. 1, 3. | saponaceum Fr. 2. |
| albo-brunneum (Pers.) Fr. 1, 2, 3. | personatum Fr. 4. |
| rutilans (Schæff.) Fr. 3. | melaleucum (Pers.) Fr. 4. |
| terreum (Schæff.) Fr. 3, 4. | |

Clitocybe—

- | | |
|-----------------------|----------------------------|
| fumosa (Pers.) Fr. 4. | pithyophila (Secc.) Fr. 3. |
|-----------------------|----------------------------|

Laccaria—

- | | |
|--------------------------------------|--|
| laccata (Scop.) B. & Br. 1, 2, 3, 4. | var. amethystina (Vaill.) B. & Br.
2, 3, 4. |
|--------------------------------------|--|

Mycena—

- | | |
|--------------------------------------|---------------------------------|
| pura (Pers.) Fr. 3. | haematopus (Pers.) Fr. 1, 2, 3. |
| rugosa Fr. 1, 2. | galopus (Pers.) Fr. 1, 3. |
| galericulata (Scop.) Fr. 1, 2, 3, 4. | capillaris (Schum.) Fr. 1, 3. |
| alcalina Fr. 1, 2, 3, 4. | |

Omphalia—

- | | |
|----------------------------|-----------------------|
| umbellifera (L.) Fr. 1, 3. | fibula (Bull.) Fr. 1. |
|----------------------------|-----------------------|

Pleurotus—

- | | |
|--------------------------|--------------------------|
| ostreatus (Jacq.) Fr. 1. | porrigens (Pers.) Fr. 2. |
|--------------------------|--------------------------|

Hygrophorus—

pratensis (Pers.) Fr. 1, 3.
virgineus (Wulf.) Fr. 1, 2, 3.
lætus (Pers.) Fr. 3, 4.
ceraceus (Wulf.) Fr. 1, 2.
coccineus (Schæff.) Fr. 1, 2, 3.
puniceus Fr. 3.

conicus (Scop.) Fr.
calyptraeformis Berk. 2, 3.
chlorophanus Fr. 3.
psittacinus (Schæff.) Fr. 2.
unguinus Fr. 2.

Lactarius—

torminosus (Schæff.) Fr. 1, 3.
turpis (Weinm.) Fr. 1, 2, 4.
blennius Fr. 2, 3, 4.
vellereus Fr. 2, 3, 4.
deliciosus (L.) Fr. 3.
quietus Fr. 3.
rufus Fr. 3.

glyciosmus Fr. 2, 3.
fuliginosus Fr. 3.
seriflans Fr. 2.
mitissimus Fr. 3.
subdulcis (Pers.) Fr. 1, 4.
cinicarius (Batsch) Cke. 2, 3.

Russula—

nigricans (Bull.) Fr. 1, 2.
adusta Fr. 2.
depallens Fr. 3, 4.
rubra Fr. 2.
cyanoxantha (Schæff.) Fr. 1, 2, 4.
heterophylla Fr. 4.

foetens Fr. 2, 3.
fellea Fr. 1, 2.
emetica (Schæff.) Fr. 2, 3, 4.
ochroleuca (Pers.) Fr. 1, 2, 3.
fragilis (Pers.) Fr. 2, 3, 4.

Cantharellus—

cibarius Fr. 2, 3, 4.

tubæformis Fr. 2.

Nyctalis—

asterophora Fr. 4.

parasitica Fr. 4.

Marasmius—

ramealis (Bull.) Fr. 4.
rotula (Scop.) Fr. 3.

androsaceus (L.) Fr. 4.

Pluteus—

cervinus (Schæff.) Fr. 1, 3, 4.

Entoloma—

jubatum Fr. 2, 3.

sericeum (Bull.) Fr. 4.

Clitopilus—

prunulus (Scop.) Fr. 3.

Nolanea—

pascua (Pers.) Fr. 2, 3.

pisciodora (Ces.) Fr. 1, 4.

Eccilia—

atropuncta (Pers.) Fr. 2.

Pholiota—

squarrosa (Müll.) Fr. 1.
spectabilis Fr. 2.

mutabilis (Schæff.) Fr. 2.

Inocybe—

hystrix Fr. 1.
rimosa (Bull.) Fr. 2, 4.

geophylla (Sow.) Fr. 1, 4.

Hebeloma—

glutinosum (Lind.) Fr. 1.
sacchariolum Quél. 1.

crustuliniforme (Bull.) Fr. 3.
sinapizans Fr. 2.

Flammula—

carbonaria Fr. 3.
sapinea Fr. 1, 3.

flavida (Schæff.) Fr. 2.
scamba Fr. 3, 4.

Naucoria—

badipes, Fr. 4.

Galera—

hypnorum (Schränk) Fr. 1, 3.

tenera (Schæff.) Fr. 3.

Crepidotus—

mollis (Schæff.) Fr. 1, 3.

calolepis Fr. 4.

Cortinarius—

(Myx.) elatior Fr. 2.
(Derm.) cinnamomeus (L.) Fr. 3.

(Tel.) paleaceus Fr. 1.

Paxillus—

involutus (Batsch) Fr. 1, 2, 3, 4.

Psalliota—

campestris (L.) Fr. 2.

Stropharia—

æruginea (Curt.) Fr. 1, 3, 4.

semiglobata (Batsch) Fr. 1, 2, 3.

Hypholoma—

sublateritium (Schæff.) Fr. 1, 4.
fasciculare (Huds.) Fr. 1, 2, 4.

dispersum Fr. 1, 3.
velutinum (Pers.) Fr. 1.

Psilocybe—

semilanceata Fr. 2, 3.

Panaeolus—

campanulatus (L.) Fr. 1, 2, 3.

Psathyrella—

gracilis (Pers.) Fr. 1.

disseminata (Pers.) Fr. 4.

Anellaria—

separata (L.) Karst. 3.

Coprinus—

comatus Fl. Dan. 2.
micaceus (Bull.) Fr. 1, 3.

plicatilis (Curt.) Fr. 2.

Boletus—

luteus (L.) Fr. 2, 3.
elegans (Schum.) Fr. 3
badius Fr. 3.
bovinus (L.) Fr.

chrysenteron (Bull.) Fr. 1, 3.
edulis (Bull.) Fr. 3.
luridus (Schæff.) Fr. 1, 3.
scaber (Bull.) Fr. 2, 3.

Polyporus—

giganteus Fr. 3.
sulphureus (Bull.) Fr.
lacteus Fr. 3.

fumosus (Pers.) Fr. 1, 2.
betulinus (Bull.) Fr.

Fomes—

connatus Fr. 3.

annosus Fr. 1, 3.

Polystictus—

versicolor (L.) Fr. 1, 2, 3, 4.

abietinus (Dicks.) Fr. 1, 3.

Poria—

mollusca (Pers.) Fr. 2.

vaporaria (Pers.) Fr. 1, 2.

sanguinolenta Fr. 1.

Trametes—

gibbosa (Pers.) Fr. 1.

mollis (Sommerf.) Fr. 1, 3.

Hydnum—

repandum (L.) Fr. 2, 3, 4.

Tremellodon—

gelatinosum (Pers.) Fr. 4.

Phlebia—

merismoides Fr. 1.

Grandinia—

granulosa Fr. 1, 4.

Kneiffia—

setigera Fr. 1.

Craterellus—

sinuosus Fr. 2.

Thelephora—

anthocephala Fr. 2, 3.

laciniata (Pers.) Fr. 3.

Stereum—

hirsutum (Willd.) Fr. 1, 3, 4.

rugosum (Pers.) Fr. 1, 4

purpureum (Pers.) Fr. 1.

sanguinolentum (A. & S.) Fr. 3.

Corticium—

læve (Pers.) Fr. 1.

comedens, Fr. 3.

Clavaria—

amethystina (Bull.) Fr. 3.

rugosa (Bull.) Fr. 1, 3, 4.

muscoïdes (L.) Fr. 1.

vermicularis (Scop.) Fr. 3.

cinerea (Bull.) Fr. 1.

fumosa (Pers.) Fr. 4.

cristata (Pers.) Fr. 1.

Calocera—

viscosa Fr. 1, 2, 4.

cornea (Batsch) Fr. 1.

Pistillaria—

puberula Berk. 3.

Typhula—

erythropus Fr. 1.

Tremella—

lutescens (Pers.) Fr. 3,

mesenterica (Retz.) Fr. 1.

Dacryomyces—

stillatus (Nees.) Fr. 1, 2, 4.

Phallus—

impudicus (L.) Pers. 1.

Mutinus—

caninus (Huds.) Fr. 1.

Lycoperdon—

saccatum (Vahl.) Fr. 2.

pyriforme (Schæff.) Fr. 4.

perlatus Pers. 3.

Scleroderma—

vulgare (Hornem.) Fr. 3.

Sphærobolus—

stellatus Tode 3, 4.

Cystopus—

candidus (Pers.) Lév. On *Brassica oleracea*, 6.

cubicus (Strauss) De Bary. On *Cnicus palustris*, 1, 6.

Plasmopara—

nivea (Ung.) Schröt. On *Anthriscus sylvestris*, 2; on *Ægopodium Podagraria*, 5.

Peronospora—

calotheca De Bary. On *Galium saxatile*, 1.

grisea (Ung.) De Bary. On *Veronica Beccabunga*, 2; on *V. serpyllifolia*, 3.

urticæ (Lib.) De Bary. On *Urtica urens*, 6.

Pilaira—

anomala (Cés.) Schröt. On rabbit-dung, 4.

Protomyces—

macrosporus Ung. On *Ægopodium Podagraria*, 1, 2, 3, 4, 5, 6.

pachydermus Thüm. On *Taraxacum officinale*, 1.

Sphacelotheca—

hydropiperis De Bary. On *Polygonum Hydropiper*, 1.

Tilletia—

decipiens (Pers.) Körn. On *Agrostis vulgaris*, 1.

Urocystis—

anemones (Pers.) Wint. On *Ranunculus repens*, 1.

Entyloma—

microsporum (Ung.) Schröt. On *Ranunculus repens*, 1, 3, 4.

calendulæ (Oud.) Schröt. On *Hieracium vulgatum*, 6.

Uromyces—

flectens Lagerh. On *Trifolium repens*.

alchemillæ Lév. On *Alchemilla vulgaris*.

acetosæ Schröt. On *Rumex Acetosa*.

polygoni Fekl. On *Polygonum aviculare*, 6.

Puccinia—

- millefolii Fekl. On *Achillea Millefolium*, 5.
 expansa Link.
 centaureæ DC. On *Centaurea nigra*, 1, 2, 3, 5.
 cirsii Lasch. On *Cnicus palustris*, 1, 3.
 obtegens Tul. On *Cnicus arvensis*, 3.
 lapsanæ Fekl. On *Lapsana communis*, 4.
 leontodontis Jacky. On *Leontodon autumnalis*, 6.
 taraxaci Plow. On *Taraxacum officinale*.
 sonchi Rob. As Uredo, on *Sonchus arvensis*, 5; on *S. asper*, 6.
 punctata Link. On *Galium verum*, 6.
 valantiæ Pers. On *Galium saxatile*, 3.
 veronicæ Schröt. On *Veronica montana*, 4.
 menthæ Pers. On *Mentha aquatica*, 3, 4, 5.
 annularis Schlecht. On *Teucrium Scorodonia*, 4, 5.
 saniculæ Grev. On *Sanicula europæa*.
 circææ Pers. On *Circeæ lutetiana*, 4.
 violæ DC. On *Viola Riviniana*, 1, 2, 3, 4.
 chrysosplenii Grev. On *Chrysosplenium oppositifolium*, 4.
 lychnidearum Link. On *Lychnis dioica*, 1, 4.
 saginæ Kunze & Schm. On *Sagina procumbens*, 1, 4.
 oblongata Wint. As Uredo on *Luzula sylvatica*, 3, 4.
 caricis Reb. On *Carex pendula*, 2; on *C. hirta*, 6.
 arrhenatheri Erikss. On *Arrhenatherum elatius*, 2.
 holcina Erikss. On *Holcus mollis*, 1, 2, 3, 4.
 agropyrina Erikss. As Uredo on *Agropyron repens*, 1.
 poarum Niels. As *Æcidium* on *Tussilago Farfara*, 1, 2, 3, 4.
 Baryi Wint. On *Brachypodium sylvaticum*, 2.

Phragmidium—

- mucronatum Fr. On *Rosa canina* and *R. tomentosa*, 3, 5.

Kuehneola—

- albida Magn. On *Rubus fruticosus*, 3.

Coleosporium—

- senecionis Fr. On *Senecio sylvaticus*, 1.
 tussilaginis Tul. On *Tussilago Farfara*, 1, 2, 3, 4.
 petasitis Lév. On *Petasites vulgaris*, 1.
 sonchi Lév. On *Sonchus asper*.
 euphrasie Wint. On *Euphrasia officinalis*, 3.

Melampsora—

- laricis-caprearum Kleb. On *Salix caprea*, 3, 4.
 laricis-epitea (Kleb.) Fisch. On *Salix cinerea*, 3, 5.
 tremulæ Tul. On *Populus tremula*, 1, 2
 hypericorum Wint. On *Hypericum Androsaemum*, 4.

Melampsoridium—

- betulinum Kleb. On *Betula alba*, 1, 2, 3, 4, 5.

Pucciniastrum—

- circææ Speg. As Uredo on *Circeæ lutetiana*, 3, 4.

Thecopsora—

- galii De Toni. As Uredo on *Galium saxatile*, 1, 3, 4, 5.
 vacciniarum Karst. As Uredo on *Vaccinium Myrtillus*, 3, 4, 6.

Milesina—

- blechni Syd. As Uredo on *Blechnum Spicant*, 1, 4.
 murariæ (Magn.) Grove. As Uredo on *Asplenium Ruta-muraria*, 5.
 Kriegeriana Magn. As Uredo on *Lastrea spinulosa*, 4, 5.
 Dieteliana Magn. As Uredo on *Polypodium vulgare*, 4.

Helvella—

- crispa (Scop.) Fr. On the ground, 3, 4.
 lacunosa Afz. On the ground, 2, 6.

Macropodia—

- macropus (Pers.) Fekl. On the ground, 1, 4.

Galactinia—

- badia (Pers.) Boud. On the ground, 1, 3.

Otidea—

- leporina (Batsch) Fekl. On the ground, 1.
 concinna (Pers.) var. *integra* Bres. On the ground, 1.
 bufonia (Pers.) Boud. On the ground, 2.

Peziza—

- aurantia Pers. On the ground, 1, 4.

Ciliaria—

- scutellata (Linn.) Quél. On rotten wood, 1.

Exoascus—

- potentillæ (Farl.) Sacc. On *Potentilla erecta*, 1, 3.

Trichoglossum—

- hirsutum (Pers.) Boud. On the ground, 2.

Geoglossum—

- ophioglossoides (Linn.) Sacc. On the ground, 3.

Calycella—

- citrina (Hedw.) Quél. On dead wood, 1.

Coryne—

- sarcoides (Jacq.) Tul. On dead trunks, 1, 3, 4.
 urnaldis (Nyl.) Sacc. On rotting trunks, 4.

Bulgaria—

- inquinans (Pers.) Fr. On dead trunks, 3.

Sclerotinia—

- curreyana (Berk.) Karst. Sclerotia in dead culms of *Juncus effusus*, 4.

Chlorosplenium—

- æruginosum (Æder) De Not. On dead wood, 4.

Helotium—

- cyathodeum (Bull.) Karst. On dead herb-stems, 2.
 scutula (Pers.) Karst. On dead herb-stems, 2.
 virgultorum (Vahl) Karst. On dead twigs, 2.

Dasyscypha—

- virginea (Batsch) Fekl. On dead wood, 1.

Trichoscypha—

calycina (Schum.) Boud.

Pyrenopeziza—arenivaga (Desm.) Boud. On dead leaves of *Ammophila*, 6.**Mollisia—**

cinerea (Batsch) Karst. On decaying wood, 1, 2, 3, 4.

Trochila—lauro-cerasi (Desm.) Fr. On dead leaves of *Prunus Lauro-cerasus*, 2.**Pseudopeziza—**trifolii (Bern.) Fekl. On *Trifolium repens*, 3.ranunculi (Wallr.) Fekl. On *Ranunculus repens*, 1.repanda (Fr.) Karst. On *Galium saxatile*, 4.**Stegia—**ilicis Fr. On fallen leaves of *Ilex Aquifolium*, 2, 4.**Lophodermium—**arundinaceum (Schröd.) Chev. On dead leaves of *Ammophila*, 6.pinastri (Schröd.) Chev. On dead leaves of *Pinus sylvestris*, 4, 5.**Sphærotheca—**

pannosa (Wallr.) Lév. On leaves, etc. of Rose, 4.

Erysiphe—umbelliferarum De Bary. On *Anthriscus sylvestris*, 4.cichoracearum DC. On *Arctium minus*, 5.**Podosphæra—**oxyacanthæ (DC.) De Bary. On *Cratægus Oxyacantha*, 1.**Uncinula—**aceris (DC.) Sacc. On *Acer Pseudoplatanus*, 1, 2.**Asterina—**veronicæ (Lib.) Cooke. On *Veronica officinalis*, 1.**Cordyceps—**

militaris (Linn.) Link. On dead lepidopterous pupæ, 3.

ophioglossoides (Ehrh.) Link. On *Elaphomyces variegatus*, 1, 2.**Nectria—**

cinnabarina (Tode) Fr. On dead bark, 1.

Hypomyces—aurantius (Pers.) Fekl. On dead *Polystictus versicolor*, 1.**Xylaria—**

Hypoxylon (Linn.) Grev. On dead stumps, etc., 1, 2, 3, 4, 5, 6.

Ustulina—

vulgaris Tul. On decaying stumps, 1, 6.

Hypoxylon—coccineum Bull. On dead bark of *Fagus sylvatica*, 1.

rubiginosum (Pers.) Fr. On a dead trunk, 4.

Phyllachora—

- graminis (Pers.) Fekl. On *Dactylis glomerata*, 2.
 podagrariæ (Roth) Karst. On *Ægopodium Podagraria*, 4.

Melanconis—

- stillbostoma (Fr.) Tul. On dead bark of *Betula*, 2.
 alni Tul. On dead bark of *Alnus*, 4.

Diatrypella—

- favacea (Fr.) Cés. & De Not. On dead bark of *Betula*, 1.

Diatrype—

- stigma (Hoffm.) Fr. On dead branches of *Cratægeus*, 3.
 disciformis (Hoffm.) Fr. On dead branches of *Fagus*, 1.

Diaporthe—

- alni Fekl. On dead branches of *Alnus*, 4.
 ilicina Cke. On dead branches of *Ilex*, 4.

Leptospora—

- spermoides (Hoffm.) Fekl. On a rotten stump, 3.

Gnomonia—

- lugubris Karst. On dead leaves of *Potentilla (Comarum) palustre*, 5.

Leptosphaeria—

- rusci (Walbl.) Sacc. On dead phyllodes of *Ruscus*, 4.

Stigmatea—

- Robertiani Fr. On *Geranium Robertianum*, 4.

Sphærulina—

- alni A.L.Sm. On dead twigs of *Alnus*, 5.

Boydia—

- remuliformis A.L.Sm. On dead twigs of *Ilex Aquifolium*, 1.

Sphærella—

- rumicis (Desm.) Cooke. On living leaves of *Rumex obtusifolius*, 1, 3, 5.
 filicina (Desm.) Awd.

Elaphomyces—

- variegatus Vitt. In the ground, 1, 2.

Phyllosticta—

- hederæ Sacc. & Roum. On *Hedera Helix*, 2.
 vulgaris Desm. On *Lonicera Periclymenum*, 4.
 sambuci Desm. On *Sambucus nigra*, 1.
 ulmi West.
 polemonii A.L.Sm. & Ramsb. On *Polymonium caeruleum*, 3.
 scrophulariæ Sacc. On *Scrophularia nodosa*, 4.
 teucrii Sacc. & Speg. On *Teucrium Scorodonia*, 4, 5.

Phoma—

- cylindrospora Desm. On dead leaves of *Rhododendron*, 2.

Phomopsis—

- velata (Sacc.) v. Höhn. On dead bark of *Tilia*, 5.
 alnea (Sacc.) v. Höhn. On dead twigs of *Alnus*, 4.
 pithya Lind. On dead branches of *Pinus*.

Cytispora—

- carphosperma Fr. On dead bark of *Tilia*, 1, 5.
ambiens Sacc. On dead branches of *Fagus*, 3.

Centhospora—

- phacidioides Grev. On fallen leaves of *Ilex Aquifolium*, 2.

Ascochyta—

- vulgaris (Desm.) Lamb. & Fautr. On *Lonicera Periclymenum*, 4.
mercurialis (Desm.) Grove. On *Mercurialis perennis*, 4, 5.
pteridis Bres. On *Pteris Aquilina*, 3, 5.

Darluca—

- filum (Biv.) Cast. On *Uredo oblongata*, 3, 4.

Diplodina—

- amniophilæ Trail. On dead leaves of *Ammophila*, 6.

Septoria—

- lychnidis Desm., var. pusilla Trail. On *Lychnis dioica*, 1, 4.
tormentillæ Desm. & Rob. On *Potentilla erecta*, 1, 3.
hydrocotyles Desm. On *Hydrocotyle vulgaris*, 5.
petroselinii Lib. On *Petroselinum sativum*, 6.
podagraræ Lasch. On *Ægopodium Podagraria*, 2, 4.
bellidis Desm. & Rob. On *Bellis perennis*, 2.
stachydis Rob. & Desm. On *Stachys sylvatica*, 4, 5.
urticæ Desm. & Rob. On *Urtica dioica*, 3, 5.
lineolata Sacc. & Speg. On *Carex arenaria*, 6.

Phleospora—

- aceris (Lib.) Sacc. On living leaves of *Acer Pseudoplatanus*, 1, 4.
ulmi Fr. On living leaves of *Ulmus montana*, 4.

Leptothyrium—

- periclymeni (Desm.) Sacc. On living leaves of *Lonicera Periclymenum*, 2.
medium Cooke. On fallen leaves of *Betula alba*, 5.

Melasmia—

- acerina Lév. On living leaves of *Acer Pseudoplatanus*, 1, 2, 3, 4, 5.
punctata Sacc. & Roum. On living leaves of *Acer Pseudoplatanus*, 1, 3, 4, 5.

Leptostroma—

- herbarum (Fr.) Link. On dead stems of *Teucrium Scorodonia*, 4.

Discula—

- junci A. L. Sm. & Ramsb. On dead culms of *Juncus effusus*, 1, 2, 4.

Gleosporium—

- tiliæ Oud. On leaves of *Tilia*, 1, 2, 5.
umbrinellum B. & Br. On leaves of *Quercus Robur*, 2, 3.
fagi Desm. & Rob. On leaves of *Fagus sylvatica*, 2, 3, 4.
pruinsum Baum. On leaves of *Veronica Beccabunga*, 4, 5.

Colletotrichum—

- holci (Syd.) Grove. On *Holcus mollis*, 2.

Cryptosporium—

- Neesii Corda. On dead bark of *Alnus*, 4, 5.

Libertella—

faginea Desm. On dead bark of *Fagus*, 3.

Melanconium—

bicolor Nees. On dead bark of *Betula*, 2.

sphæroideum Link. On dead bark of *Alnus*, 5.

Marssonina—

Delastrei (De Laer.) Sacc. On *Lychnis dioica*, 1, 4.

potentillæ (Desm.) Sacc., var. *anserinæ* Trail. On *Potentilla Anserina*, 1.

Actinonema—

rosæ (Lib.) Fr. On leaves of *Rosa canina* and *R. tomentosa*.

Cylindrium—

flavovirens Bon. On fallen leaves of *Fagus*.

Oidium—

leucoconium Desm. On leaves of *Rosa*, 4.

alphitoides Griff. & Maubl. On leaves of *Quercus*, 2, 3.

chrysanthemi Rabh. On leaves of *Chrysanthemum*, 6.

crysiphoides Fr.

Trichoderma—

lignorum (Tode) Harz. On dead wood and bark, 1, 3.

Botrytis—

depredans Cooke. On *Acer Pseudoplatanus*, 1, 4.

Ovularia—

sphaeroidea Sacc. On *Lotus uliginosus*, 2.

veronicæ (Fckl.) Sacc. On *Veronica Chamædrys*, 2, 5.

obliqua (Cooke) Oud. On *Rumex obtusifolius*, 1, 3, 4.

Sepedonium—

chrysospermum (Bull.) Fr. On dead *Boletus* and *Paxillus*, 1.

Diplocladium—

penicillioides Sacc. On dead *Polystictus*, etc., 1.

Ramularia—

cardamines Syd. On *Cardamine amara*, 4.

violæ Trail. On *Viola Riviniana*, 4, 5.

arenariæ A.L.Sm. & Ramsb. On *Arenaria trinervia*, 1.

valerianæ (Speg.) Sacc. On *Valeriana officinalis*, 3.

knautiæ (Massal.) Bub. On *Scabiosa succisa*, 3, 4, 5.

pruinosa Speg. On *Senecio*.

cardui Karst. On *Cnicus arvensis*, 5.

taraxaci Karst. On *Taraxacum officinale*, 1, 3, 4.

scrophulariæ Fautr. & Roum. On *Scrophularia nodosa*, 1, 4.

variabilis Fckl. On *Digitalis purpurea*, 1, 4.

calcea (Desm.) Cés. On *Nepeta hederacea*, 1, 4.

ajugæ Niessl. On *Ajuga reptans*, 1, 3, 4, 5.

plantaginis Ellis & Mart. On *Plantago major*, 4.

plantaginea Sacc. & Berl. On *Plantago lanceolata*, 2.

pratensis Sacc. On *Rumex Acetosa*, 1, 2, 3, 4.

urticæ Cés. On *Urtica dioica*, 1, 4.

Torula—

ovalispora Berk. On dead wood, 4.

Periconia—

byssoides Pers. On dead stems of *Urtica dioica*, 4.

Cladosporium—

herbarum (Pers.) Link. On dead leaves and stems, 4.

Fusicladium—

dendriticum Fekl. On leaves of *Pyrus Malus*, 2, 5.

depressum B. & Br. On *Angelica sylvestris*, 2, 4.

Cercospora—

mercurialis Pass. On *Mercurialis perennis*, 3, 4, 5.

Tetraploa—

aristata B. & Br. On dead leaves of *Ammophila*, 6.

Tubercularia—

vulgaris Tode. On dead bark, 1, 2, 3, 4, 5.

Ægerita—

candida Pers. On rotten wood, 1, 4.

Cylindrocolla—

urticæ Bon. On dead stems of *Urtica dioica*.

Isaria—

farinosa (Dicks.) Fr. On dead lepidopterous pupæ, 1.

ADDITIONAL RECORDS OF SCOTTISH FUNGI, 1921-1922.

*From the Transactions of The British Mycological Society and the
Journal of Botany.*

Except where otherwise stated the records for the Clyde Area have all
been supplied by Mr. D. A. BOYD.

CLYDE.

- Milesina murariæ* (Magnus) Grove. On living leaves of *Asplenium Ruta-muraria*. Dundonald, Ayrshire. Sept., Oct., 1921.
- Uredo anthoxana* Bubák. On leaves of *Anthoxanthum odoratum*. Ayrshire. May, July.
- Melampsora salici-pentandræ* Kleb. On *Salix pentandra*. Ayrshire.
- Thecopsora galii* De Toni. On *Galium saxatile*, Ayrshire, Buteshire, Renfrewshire, and Dumfriesshire. On *Asperula odorata*, Dalry, Ayrshire.
- Didymella Hyphenis* (Cooke) Sacc. On dead stipes of *Pteris aquilina*. Dalry. July 1919.
- Phyllosticta asperulæ* (Lasch) Grove. On fading and dead leaves of *Asperula odorata*. Dalry. Jany.
- P. Briardi* Sacc. On living leaves of *Pyrus Malus*. Stevenston. Aug.
- P. grossulariæ* Sacc. On living leaves of *Ribes Grossularia*. Bute and Ayrshire. Aug., Sept.
- P. helianthemicola* Allesch. On dead leaves, sepals and petals of *Helianthemum*. Percton. Aug.
- P. Heucherae* Brun., forma *sanguineæ* Grove. On fading leaves of *Heuchera sanguinea*. West Kilbride. Aug.
- P. holosteeæ* Allesch. On dead and bleached leaves of *Stellaria uliginosa*. West Kilbride. Aug.
- P. marchantiæ* Sacc. On dead archegoniophores of *Marchantia polymorpha*. Kilwinning. Sept.
- P. oxalidis* Sacc. On leaves of *Oxalis Acetosella*. Beith, Dalry and West Kilbride. July, Aug.
- P. typhina* Sacc. and Malbr. On the tips of leaves of *Typha latifolia*. Kilwinning. July.
- Dendrophoma pruinosa* forma *Ligustri* Strasser. On twigs of *Ligustrum vulgare*. Seamill and Stevenston. June, July.
- Fusicoccum cinctum* Sacc. and Roum. On dead twigs of *Castanea sativa*. West Kilbride. Sept.
- Phomopsis crustosa* (Bomm. Rouss. and Sacc.) Trav. On dead twigs of *Ilex Aquifolium*. West Kilbride. Aug.
- P. garryæ* Grove. On dead twigs of *Garrya elliptica*. West Kilbride. Aug.

- P. hyperici* Grove. On dead branches of *Hypericum Androseumum*. West Kilbride. July.
- P. laurella* (Sacc.) Trav. On dead leaves and twigs of *Laurus nobilis*. West Kilbride. Sept.
- P. oleariæ* Grove. On dead twigs of *Olearia Haasti*. West Kilbride. Sept.
- Cystopora hyperici* Grove. On dead branches of *Hypericum*. West Kilbride. Sept.
- C. Kerriæ* Died. On dry twigs of *Kerria japonica*. Saltcoats. July.
- C. lauri* Sacc. On dead twigs of *Laurus nobilis*. West Kilbride. May.
- C. subelypeata* Sacc. On dead twigs of *Rhododendron*. Ayrshire. Sept.
- Coniothyrium equiseti* Lamb and Fautr. On dead stems of *Equisetum maximum*. Whiting Bay, Arran. June.
- Ascopyta chærophylli* Bres. On leaves of *Chærophyllum temulum*. West Kilbride. Nov.
- A. ribesia* Sacc. and Fautr. On living leaves of *Ribes grossularia*. Bute and Ayrshire. Aug., Sept.
- A. pteridis* Bres. On dead pinnules and petioles of *Pteris aquitina*. West Kilbride. July.
- A. stellaræ* Fautr. On fading or dead leaves of *Stellaria uliginosa*. West Kilbride. May.
- A. sonchi* (Sacc.) Grove. On leaves of *Sonchus oleraceus*. Ardrossan. Aug.
- A. taraxaci* (Hollós) Grove. On living leaves of *Taraxacum officinale*. Kilwinning. Aug.
- A. vulgaris* Kab. and Bub. var. *Symphoricarpi*. On *Symphoricarpus racemosus*. Arran. Aug.
- Darlucia tussilaginis* Oud. On dry spermagonia of *Aecidium tussilaginis*, or fading leaves of *Tussilago Furfara*. Ardrossan. Late autumn and sub-winter.
- Hendersonia vagans* Fckl. var. *corni* Grove. On twigs of *Cornus alba*. Kilwinning. Dec.
- Stagonospora hygrophila* Sacc. On living leaves of *Oxalis Acetosella*. Dalry. July.
- Septoria jasionis* (Bres.) Grove. On living and dead leaves, stems and involucre bracts of *Jasione montana*. Stevenston and West Kilbride. Aug.
- S. polaris* Karsh. var. *scotica* Grove. On fading leaves of *Ranunculus Flammula*. Kilwinning. July.
- S. polypodii* sp.n. On dead leaves of *Polypodium Phegopteris*. Glen Falloch. May.
- S. posoniensis* Bäuml. On living leaves of *Chrysosplenium oppositifolium*. West Kilbride. Aug.
- S. sii* Rob. and Desm. On leaves of *Sium erectum*. West Kilbride. Sept.
- Leptothyrium macrothecium* Fckl. On dead and fragile leaves of *Cornus alba*. Kilwinning. Dec.
- L. protuberans* Sacc. On dead branches of *Rubus fruticosus*. West Kilbride.
- L. osmanthi* Grove. On dead leaves of *Osmanthus aquifolia* var. *ilicifolia*. West Kilbride. Sept.
- L. phornii* Grove. On decaying leaves of *Phormium tenax*. West Kilbride and Stranraer. Aug., Nov.

- Pycnothyrium gentianicola* (Fr.) Grove. On dying leaves of *Gentiana acaulis*. Saltcoats.
- Leptostromella polypodii* Grove. On living leaves of *Polypodium Phegopteris*. Glen Falloch. May.
- Gleosporium diervillæ* Grove. On living leaves of *Diervilla florida*. West Kilbride. Sept.
- Myxosporium incarnatum* Bon. var. *Roumequeri* Sacc. forma *Carpini*. On dead bark of *Carpinus Betulus*. West Kilbride. Feb.
- Myrioconium scirpi* Syd. On dead culms of *Scirpus lacustris*. Stevenston and Kilwinning. Aug.
- Psammia Bommeriæ* R. and S. On dead leaves of *Psamma arenaria*. Dundonald Stevenston. and Cumbræ. Aug.
- Didymiella cortaderiæ* sp.n. On dead leaves of *Cortaderia* (*Gynerium*) *argentea*. Hunterston, Ayrshire. Aug.
- Leptosphaeria phormii* Grove. On dead leaves of *Phormium tenax*. Stranraer. Aug., Nov.

TAY.

- Leptothyrium melaleucum* Grove On leaves of *Vaccinium Vitis-Idæa* Killin. July.

